

### What is claimed is:

- 1           1.     A method for the management of persons at risk of complications of  
2                 arterial occlusive disease comprising evaluating a population of persons  
3                 to identify those persons potentially at risk of complications of arterial  
4                 occlusive disease, examining those persons evaluated potentially at risk  
5                 of complications of arterial occlusive disease, classifying those persons  
6                 determined to be at risk of complications of arterial occlusive disease,  
7                 treating those persons classified at risk of complications of arterial  
8                 occlusive disease and monitoring those persons treated for arterial  
9                 occlusive disease to determine prognosis and efficacy of treatment.
- 1           2.     The management method of Claim 1 wherein those persons classified  
2                 as potentially at risk of complications of arterial occlusive disease are  
3                 referred for noninvasive vascular evaluation.
- 1           3.     The management method of Claim 2 wherein patient data sets are  
2                 compared against the predetermined set of disease specific criteria to  
3                 provide a preliminary classification of those persons potentially at risk  
4                 and those persons not at risk of developing complications of arterial  
5                 occlusive disease.
- 1           4.     The management method of Claim 2 wherein the results of the  
2                 individual noninvasive vascular evaluations are reviewed for final  
3                 classification of the person or patient as at risk or not at risk.
- 1           5.     The management method of Claim 4 further comprising assessing by  
2                 vascular surgical to determine if revascularization is necessary and to

3 identify those persons or patients as clinical indication for operation or  
4 indication for no operation.

1 6. The management method of Claim 5 wherein persons or patients  
2 assessed as no indication for operation are monitored with increased  
3 precautions for detection of any deterioration dictating reassessment.

1 7. The management method of Claim 6 wherein when a no indication for  
2 operation person or patient develops ulcers, pair and/or gangrene, the  
3 person or patient is referred to the vascular surgery facility for  
4 reassessment for a no indication for operation and clinical indication for  
5 operation for reevaluation and appropriate medical procedure and  
6 regimen.

1 8. The management method of Claim 5 wherein the persons or patients  
2 assessed as clinical indication for operation are informed of the  
3 assessment, the person or patient electing either revascularization and  
4 periodic evaluation or routine wound care and periodic revaluation.

1 9. The management method of Claim 8 wherein the persons or patients  
2 are monitored with increased precaution for detection of deterioration  
3 dictating reassessment.

1 10. The management method of Claim 9 wherein the persons or patients  
2 are reassessed for revascularization when medically dictated.

- 1           11.    The management method of Claim 2 wherein routine care and  
2                    precautions is administered to not at risk persons or patients without  
3                    limb ulcers.
- 1           12.    The management method of Claim 11 wherein not at risk persons or  
2                    patients with ulcers receive routine wound care and periodic  
3                    reevaluations.
- 1           13.    The management method of Claim 8 wherein at risk persons or patients  
2                    assessed as no indication for operation or operation not elected by  
3                    patient and clinical indication for operation undergoing or not  
4                    undergoing revascularization at the vascular surgery facility receive  
5                    routine wound care and periodic reevaluations with increased  
6                    precautions at the healthcare facility.
- 1           14.    A method for the management of persons at risk of complications of  
2                    arterial occlusive disease including evaluating a population of persons  
3                    to identify those persons potentially at risk of complications of arterial  
4                    occlusive disease, examining those persons evaluated potentially at risk  
5                    of complications of arterial occlusive disease, classifying those persons  
6                    determined to be at risk of complications of arterial occlusive disease,  
7                    treating those persons classified at risk of complications of arterial  
8                    occlusive disease and monitoring those persons treated for arterial  
9                    occlusive disease to determine prognosis and efficacy of treatment, said  
10                  management method comprising a healthcare facility primarily  
11                  responsible for the care of a population of persons who may include  
12                  persons at risk of complications of arterial occlusive disease, a

13 management center responsible for management and administration of  
14 said method including the preliminary and final classification, a  
15 noninvasive vascular facility performing noninvasive vascular  
16 evaluations the management center derive data upon which to  
17 determines final classification of not at risk or at risk and a vascular  
18 surgery facility assessing persons at risk of complications of arterial  
19 occlusive disease for vascular surgery or alternative treatment .